

**Materials List for:
Zebrafish Brain Ventricle Injection**

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Materials

Name	Type	Company	Catalog Number	Comments
Forceps	Tool	Fine Science Tools	11252-20	
Capillary Tubes (needles)	Tools	Frederick Haer and Co.	30-30-1	
Agarose-Coated dishes	Tools	Agarose (Seakem GTG; Lonza) Dishes (Corning)	Agarose (50027) Dishes (430166)	Make agarose approximately 2-3 mm deep in the dish depending on the stage of embryo you are injecting
Dissecting Microscope	Microscope	Carl Zeiss, Inc.		
Microscope Camera with Fluorescence capabilities and with image capture software	Tools			
1-200 µ pipette tips	Tools	USA Scientific, Inc.	1111-0806	These are the perfect size to poke the holes in the agarose and have the embryos fit perfectly.
Photoshop	Image Analysis	Adobe		
Embryo Loop	Tools			Make these yourself with a glass pipette and hair or fishing line and seal with beeswax.
Microinjector	Tools	Harvard Apparatus	PL1-100	
Needle Puller	Tools	Sutter Instrument Co.		Settings (Heat 785, Pull 70, Velocity 40, Time 70).
Micromanipulator	Tools	Narishige International		
Fluorescent dye Texas-Red Dextran 70,000MW	Reagent	Molecular Probes, Life Technologies	D1830	Other Molecular weights are available if desired.
Tricaine (3-aminobenzoic acid ethyl ester)	Reagent	Sigma-Aldrich	A-5040	
Embryo Media	Reagent			According to Westerfield (5)